

ELESS®

消除“汗”臭材料

**ELESS®抑制汗分解产生的臭气，
通过与臭气成分接触，减少令人不快的臭味。**

“Sweat” and “Body odor” deodorizing material

ELESS® reduces bad odors by contacting odorous components and decreasing the unpleasant smell resulting from sweat decomposition.

通过化学中和反应和离子交换作用，有效地迅速除臭的丙烯酸酯系纤维。

This acrylate fiber quickly and effectively deodorizes through chemical neutralization and ionic exchange.

除臭能力通过家庭洗涤会再生，所以保持半永久性的功能。

As odorous components adhere to the functional group of the fiber structure, ELESS® does not elute or lose its active ingredients, resulting in excellent durability and safety of its deodorizing function.

具有保持有利于皮肤的弱酸性的pH缓冲性。

As performance is revived in the home wash, its deodorizing capability is maintained semipermanently.

抗菌防臭功能通过了SEK基准。
(SEK认证编号01U93)

The pH buffer properties maintain a weak acidity that is gentle to skin.



(社)纤维评价技术协议会
认证编号01U93
剂名：有机系（季铵盐）

ELESS® 消除汗臭性能评估结果（机器评估） Evaluation result of sweat deodorization <Device evaluation>

	洗涤 0 次 Zero washes	洗涤 10 次 10 washes
氨 Ammonia	80.0%	95.0%
醋酸 Acetic acid	80.0%	94.0%
异戊酸 Isovaleric acid	95.4%	92.9%

消除汗臭基准：氨：70% 醋酸：80%以上 异戊酸：85%以上
SEK standard : Ammonia : 70% / Acetic acid : 80% / Isovaleric acid : 85%

1. 消除汗臭性能试验方法

(社)纤维评价技术协议会 除臭加工纤维制品认证基准用机器分析实施手册
(检测管法・气相色谱仪摄影法)

- 洗涤处理法：JIS-0217
103法 重复10次 悬挂晾干
- 洗涤使用洗涤剂：使用JAFET标准洗涤剂

2. 消除汗臭性能基准

洗涤0次和洗涤10次，对氨、醋酸、异戊酸每个发臭成分进行感官检验和机器测定。必须符合所有的基准。

1. Sweat Deodorizing Performance Test Method
Japan Textile Evaluation Technology Council. Instrumental analysis implementation manual for deodorizing textile certification standards (detector tube method and gas chromatography method)
・ Washing method: JIS-0217-103 Repeat 10 times, Hang dry,
・ Wash-Wear-Wash: JAFET standard detergent

2. Sweat Deodorization Standard
Perform sensory analysis and device measurement for each odorous component — ammonia, acetic acid, and isovaleric acid — at zero washes and 10 washes; each must comply with the corresponding standard.
Device evaluation:
The rate of odorous component decrease should be no less than 70% under the detector tube and gas chromatography methods.
Sensory evaluation:
Must be below the standard odor (equivalent to a 2.0 odor intensity).
(Based on the determination of at least 5 of 6 persons)

* Nonenal deodorization is possible by increasing the blend ratio.